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HYUNDAI IT CORP.

Display Solutions by Expertise

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DIGITAL DISPLAY SOLUTIONS

2009

Display Solutions by Expertise

Since the mid-90s, the name HYUNDAI has been synonymous with the design and production of state-of-the-art display technologies. Advanced devices offering sophisticated design and suprerior image quality – with "built-in" future-proofing.

On the one hand the ongoing process of digitalization leads continuously to new fields of operation for digital displays. On the other hand the technical progress enables new capabilities in development and production. Being an expert in display solutions HYUNDAI IT with it's products brings both together: new requirements from the market and the new technical prospects from the production side. As a result, there are innovative display solutions which will revolutionize the display market with state-of-the-art technology, new functions and new designs.

Join us on a voyage of discovery, and explore today what display solutions will be like tomorrow.
HYUNDAI IT : The name of choice for a broad range of future-oriented applications. The technology of tomorrow, for today's trend and quality conscious customers. Welcome to the future. Welcome to HYUNDAI IT.

Indoor & Outdoor Public Displays

More and more large-sized digital LCD screens are replacing existing analog display media for the presentation of information and advertising messages. Combined with a professional "Content Management Software" and attractively created content these "Digital Signage Systems" are launching to the next generation of public display devices. By using special "Out-Of-Home" LCD panels HYUNDAI IT's indoor and outdoor pubic displays ensure the presentation of digital signage contents in a sharp, extremely bright picture quality. Meeting all necessary technical requirements for professional display equipment these enhanced displays ensure a reliable and failure-free operation in any kind of indoor or outdoor environment. Providing an integrated video wall function as well as the options for touch screen functionality and tempered glass surface the HYUNDAI IT DID's are the most flexible and versatile visual interface for all kind of digital signage solution.

Touch Screen Monitors

HYUNDAI IT touch screen monitors combine the conventional output function with a touch controlled input function. This bi-directional interface makes the screens the easiest solution for interactive information flow and controlling of systems. Due to their solid design the monitors are resistant to moisture and dust and thus ensuring a long lifetime even if they are used for applications with a high operational demand like public information kiosk systems.

3D Displays

Opening access to another dimension HYUNDAI IT's 3D displays provide a new experience in virtual reality. In combination with professional computer added engineering software, 3D models can be presented more visual enhancement and are thus closer to reality. Also for the post production of 3D movies and pictures as well as for PC gaming the new 3D monitors will be the first choice. In addition to 3D operations the displays can be used as conventional monitors dealing with standard 2D content without restrictions.

OUTDOOR MEDIA TYPE

Enhanced Outdoor Displays for Digital Signage

The market for outdoor digital signage is growing worldwide. Providing different advantages compared to conventional outdoor advertising media, digital signage will be an interesting media for advertisers, outdoor media companies, cities and universities in the near future. Its high flexibility and the possibility of just-in-time content changes makes digital signage the perfect media for reaching target groups in a society which becomes more and more mobile.

HYUNDAI IT's outdoor displays represent state-of-the-art display technology for any outdoor environment. Meeting the highest industrial standards they are provide a high degree of operational reliability and superior quality image, which are important preconditions for attracting the attention of tody's audience.

All Weather Capable

Eqipped with an intelligent cooling and heating system, the outdoor displays are well suited for with standing any weather conditions from -40°C to +50°C.

Sunlight Proof

For installations in environments with the brightest lightning conditions – even bright sunlight – HYUNDAI IT provides special displays which are based on the optical bonding technique. This provides to the advantage that glare and reflection on the screens are reduced to a minimum while brightness is increased at the same time. Due to a special coating the screens are protected against UV radiation, also.

Ultra High Brightness

The displays are built with a backlight that is based on LEDs instead of conventional CCFL tubes. This combination enables an exceptional luminance of over 2500 cd/m² which ensures operation during the day, as well as night.

Anti-Vandal Protection

Thanks to a special tempered security glass HYUNDAI IT's outdoor displays are protected against any vandalism attacks.

IP 55/IP 65 Conformity

In order to ensure the highest possible reliability and to keep industrial quality standards the outdoor displays are meeting all requirements of IP 55 as a basic and those of IP65 optionally.

Model Name			H460S	H705S
Display Panel	Screen Size		46"	70"
	Active Display Area		1018.35 x 572.54 mm	1549.44 x 871.56 mm
	Resolution		1366 x 768 (WXGA)	1920 x 1080 (UWXGA)
	Aspect Ratio		16 : 9	16 : 9
	Display Colors		16.7 Mil	16.7 Mil
	Brightness (cd/m²) /(Typ)		2,500	2,000
	Contrast Ratio		4,000: 1	2,500:1
	Response Time (ms, GtG)		8	8
	Viewing Angle (H°/V°)		178°/178°	178°/178°
	Life Time		30,000h	30,000h
	Backlight Type		LED	LED
Connectivity & ControL	Input	VGA	1	1
		HDMI	Option	Option
	Power Requirement	Voltage	100 ~ 240 VAC	100 ~ 240 VAC
		Consumption	530W (Max 2.0KW)	1.2KW (Max 3.5KW)
	Auto Cooling System		Yes	Yes
Mechanical	Set (W X H X L)		27.6" X 58.8" X 8.2"	41.4" x 86.6" x 12.0"
	Tempered Glass Thickness		0.45"	0.45"
	Weight With Glass		174.16 lbs.	330.69 lbs.
	Surface Treatment Visible Surfaces		Powder Coated, Powder Salty	Powder Coated, Powder Salty
Environmental Conditions	Temperature Operational (°C)		-40/50 (min/max)	-40/50 (min/max)
	Temperature Storage (°C)		-20/60 (min/max)	-20/60 (min/max)
	Humidity (Non-Cond.) (%)		10 ~ 90	10 ~ 90
EMI/EMC, Safety / International Protection			FCC, CE, cTUVus, TUV, CB / IP55-IP65	
Computer			Option	

Technical details are subject of changes without further notice. Errors expected.

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METAL FRAME TYPE

Fields of Operation

According to the advanced product design, the HYUNDAI IT Digital Signage meets all necessary prerequisites to be used for several different kinds of digital signage solutions, such as:

- **Information:** arrival and departure information at the airport
- **Advertising:** in-store promotion in retail establishments
- **Sales support:** last minute offers in travel agencies
- **Brand building:** brand communication during exhibition & events
- **Convenience:** digital signage in restaurant waiting areas
- **Presentation:** conferencing & meeting environments

Special Out-Of-Home LCD Panel

By using commercial grade LCD panels for Out-Of-Home applications the HYUNDAI IT Digital Signage has a higher brightness and contrast than standard LCD TV panels. Our LCD panels enable you to operate for During working time and deliver clear and bright images in either the portrait or landscape format without any losses of quality.

High Luminance & Contrast

Achieving a luminance of up to 700 cd/m² and working with a smart dynamic contrast technology, the special Out-Of-Home panels ensure bright and sharp pictures with a facsimile depth, even in brightly lighted environments.

Regular LCD TV Panel

HYUNDAI IT Out-Of-Home Panel

Metal Frame Housing

The HYUNDAI IT Digital Signage has a solid metal frame housing. This ensures that the panel is well protected especially for public area installations. In addition the metal frame gives the product a high quality appearance.

Ultra-High Native Resolution

With a native resolution of 1366 x 768, HYUNDAI IT Digital Signage can display high-resolution data information on the LCD screen with an aspect ratio of 16:9. The native HD resolution ensures brighter and sharper images when HD graphics and videos are displayed.

HD ready

Wide Viewing Angle

The wider the panel's viewing angle is the more viewers are able to see the contents being displayed. This is important for both meeting for both meeting environments as well as public area installations. Having a wide vewing angle of 178° (h/v) HYUNDAI IT Digital Signage brings the displayed to the entire audience.

178° Wide View Angle

Fast Response Time

A fast response time of 8ms ensures the displaying of a clear image quality without ghosting effects for fast moving video or image contents.

High Connectivity

Providing an array of various professional input and output connectors [HDMI, DVI, Component/Composite (BNC), VGA] HYUNDAI IT Digital Signage provides an easy, and flexible choice for connection to a full range of external A/V devices.

Heat Control & Auto Cooling System

In order to avoid any image corruption or downtime by overheating HYUNDAI IT Digital Signage is equipped with an innovative built-in fan & heat control system. This makes the display ready for operation in any climatic environment.

RS-232C Interface

For easy set-up and maintenance the built-in RS-232C port allows the remote controlling and configuration of the display's functions.

Wall Mounting

Industry standard Wall-Mounting holes in the rear of the cabinet ensure compatibility and easy installation with universal wall-mounting brackets.

Environment-Friendly

Being compliant with the European RoHS directive and working with low power consumption during operation and power saving mode (< 1W) the HYUNDAI IT Digital Signage is very energy efficient.

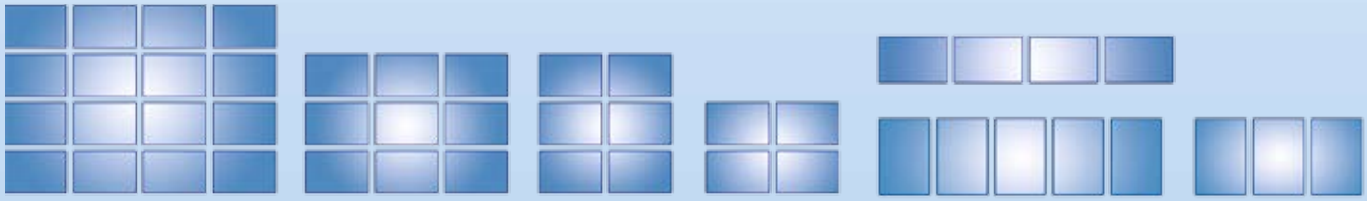
RoHS COMPLIANT 2002/95/EC

SPECIAL FEATURES

Built-In Video Wall Function

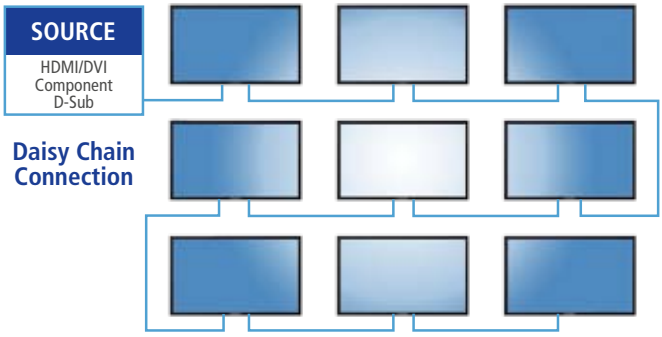
Due to the built-in multi display wall function, the HYUNDAI IT Public Displays are well suited for installing video wall configurations including up to 5 by 5 single units. In light of this, no additional expensive equipment like video split processors are necessary.

Samples of Multi Display Wall Configurations



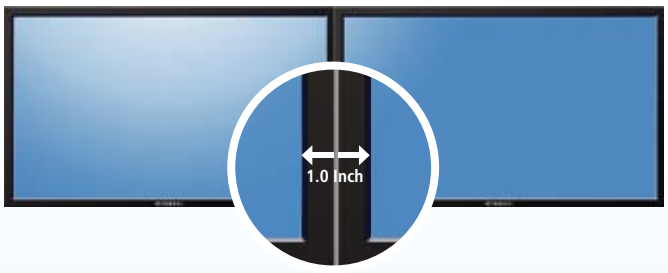
Daisy Chain Connection

In order to setup a multi display wall, the single units are linked by a Daisy Chain connection over HDMI, Component or the D-Sub interface. That implicates the advantage that just one display (master unit) needs a direct connection to the video source. The configuration of each display, regarding an individual ID and its position in the wall matrix, can be easily set-up over the on-screen menu or the RS232C interface. With all its advantages the built-in type multi display wall function allows a flexible configuration and an easy installation.



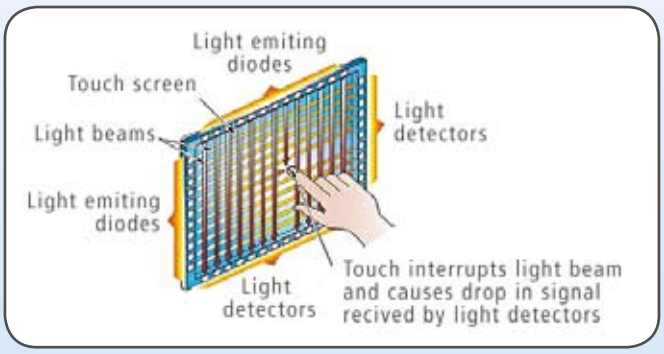
Ultra Slim Bezel Design

Coping with an ultra slim bezel design the HYUNDAI IT Public Displays are the ideal choice for the operation in video wall configurations. Combined with the cutting edge function – which allows displaying the full picture content – the smart design of the HYUNDAI Public Displays ensure a maximum screen area with unified images and a minimum of viewable interruptions.



Touch Screen Function (Option)

As an option, all HYUNDAI IT Public Displays can be equipped with touch screen functionality. According to screen size and the kind of application, two different touch screen technologies are used: either the infrared ray matrix or infrared ray sensor technology. That makes the HYUNDAI IT Public Displays's an versatile touch screen product for interactive applications.



Type	Infrared (Matrix)
Application	Graphics Intensive, Severe Duty, Mission Critical Applications
Light Transmission	92~100%
Response Time	16ms
Touch Accuracy	98.5~99%
Environment	Indoor/Outdoor
Operating Temp	-41°C ~ +70°C
Life	Tested to perform over 100 million touc hes on a single point
Surface Hardness	5mm with Anti-Vandal
Input Mode	Bare or gloved finger, stylus, pen etc., any object that blocks light
Function	Senses interruption of invisible infrared array. Fully ADA compliant.
Size	24" ~ 82"
Usage	Large Screen, DID

Technical details are subject of changes without further notice. Errors expected.

Tempered Security Glass (Option)

In order to protect the displays against vandal attacks and thus avoiding additional costs during the operational period it is possible to cover the screens with a tempered security glass. Combined with the ability to lock the keys for the on-screen menu and the solid metal frame housing the HYUNDAI Public Displays are the perfect visual equipment for the usage in high frequented public areas.

Indoor Public Displays | Special Features

Wide View Displays

Wide view displays are characterized by their special aspect ratio whose height is less than half of its width. This brings the benefit that the wide view displays will fit into places where displays with a regular height can't be installed. For example into the space between door and ceiling as well as installations in metros and trams are practical locations where these solutions are used as signage or advertising displays.

Semi-Outdoor Displays (Optical Bonding)

For installations in environments with brightest lightning conditions – even bright sunlight – HYUNDAI IT provides special displays which are based on the optical bonding technique. This leads to the advantage that glare and reflection on the screens are reduced to a minimum while brightness is increased at the same time. Due to a special coating the screens are protected against UV radiation, too. A digital signage screen behind a shop window which is regarded from the outdoor area is a typical application field for this special solution.

Built-in MMP | Specification		
Display	Video Output (Analog)	720P
Movie	DivX 3.11,4.12,5.x | DivX prd, Xvid	Yes
	MPEG4 SP | MPEG 1/2/4 ASP Support	Yes
	Motion JPEG	640x480@30fps
Audio(Music)	MPE,WMA | DOLBY AC3	Yes
USB	USB 1.1 FS (Host) | USB 2.0 HS (Host)	Yes
Memory Socket	Multi Socket | CF Type II	4 in 1 | yes
Compact Flash Card | Microdrive/ST1 Driver (CF Type II)		Yes
XD-Picture | Multi-Media Card | Secure Digital Card		Yes | Yes | Yes
Memory Stick/Duo | Memory Stick Pro/Duo		Yes | Yes
Subtitle | OSD Language		SMI,SRT,SSA,SUB | 11 languages
Interface		I2C
Video | Audio Output		YPbPr | L,R
Input Voltage		5V / 1.5A
Merit		Auto play, Play list

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All-In-One Displays

HYUNDAI IT's all-in-one displays are combining public display and built-in player functionality. Being equipped with a built-in PC, a set-top box or a multi media player (MMP), these all-in-one displays enable easy installations without any additional AV equipment.

Model		D405ML	D400ML	D420ML	D465ML	D460ML (700 nit)	D460ML (1500 nit)	D525ML	D575ML	D705ML
Display Panel	Screen Size	40"	40"	42"	46"	46"	46"	52"	57"	70"
	Active Display Area (mm)	885.6 x 498.15	885.17 x 497.66	930.3 x 523.0	1018.08 x 572.67	1018.35 x 572.54	1018.35 x 572.54	1152 x 648	1251.36 x 703.89	1549.44 x 871.56
	Number of Pixels	1920 x 1080 (WUXGA)	1366 x 768 (WXGA)	1366 x 768 (WXGA)	1920 x 1080 (WUXGA)	1366 x 768 (WXGA)	1366 x 768 (WXGA)	1920 x 1080 (WUXGA)	1920 x 1080 (WUXGA)	1920 x 1080 (WUXGA)
	Aspect Ratio	16:9	16:9	16:9	16:9	16:9	16:9	16:9	16:9	16:9
	Display Colors	16.7 M	16.7 M	16.7 M	16.7 M	16.7 M	16.7 M	16.7 M	16.7 M	16.7 M
	Brightness (Typ)	450 cd/m²	700 cd/m²	500 cd/m²	450 cd/m²	700 cd/m²	1,500 cd/m²	600 cd/m²	600 cd/m²	600 cd/m²
	Contrast Ratio	4,000:1	2,000:1	800:1	4,000:1	2,000:1	3,000:1	1,700:1	2,000:1	1,500:1
	Response Time	8 ms	8 ms	9 ms	8 ms	8 ms	8 ms	8 ms	8 ms	8 ms
	Viewing Angle	178°/178°	178°/178°	178°/178°	178°/178°	178°/178°	180°/180°	178°/178°	178°/178°	178°/178°
	Lifetime	50,000h	50,000h	50,000h	50,000h	50,000h	50,000h	50,000h	50,000h	50,000h
Resolution	Monitor	1920 x 1080	1360 x 768	1360 x 768	1920 x 1080	1360 x 768	1360 x 768	1920 x 1080	1920 x 1080	1920 x 1080
	DTV	1080p	1080i (Multi Screen: 720p)	1080i	1080p	1080i (Multi Screen : 720p)	1080i	1080p	1080p	1080p
Input	RGB (D-Sub)	1	1	1	1	1	1	1	1	1
	HDMI	1	1	1	1	1	1	1	1	1
	CVBS (BNC)	1	1	1	1	1	1	1	1	1
	Component (BNC)	1	1	1	1	1	1	1	1	1
	PC Audio	1	1	1	1	1	1	1	1	1
	Component Audio	1	1	1	1	1	1	1	1	1
	Composite Audio	1	1	1	1	1	1	1	1	1
Output	RGB (D-Sub)	1	1	1	1	1	1	1	1	1
	DVI (HDMI connector)	1	1	1	1	1	1	1	1	1
	Composite (BNC)	1	1	1	1	1	1	1	1	1
	Component (BNC)	1	1	1	1	1	1	1	1	1
	RS232C	1	1	1	1	1	1	1	1	1
	Speaker	1	1	1	1	1	1	1	1	1
Multi-screen Function (Loop)		HDMI, VGA (15pin D-Sub), Component (BNC), Composite (BNC)								
OSD Language		10 Lang (GB / DE / FR / ES / IT / PT / SE / DK / FI)								
Input Voltage		100~240VAC	100~240VAC	100~240VAC	100~240VAC	100~240VAC	100~240VAC	100~240VAC	100~240VAC	100~240VAC
Power Consumption (typ)		200W	200W	200W	260W	260W	300W	320W	460 W	900 W
Auto Cooling System		1	1	1	1	1	1	1	2	3
Auto Power Control (DPMS)		Option	Option	Option	Option	Option	Option	Option	Option	Option
Feature	Tempered Glass	Option	Option	Option	Option	Option	Option	Option	Option	Option
	Touch Screen	Option	Option	Option	Option	Option	Option	Option	Option	Option
Wall Mounting Hole (WxH mm)		400 x 200	400 x 200	600 x 200, 600 x 400	600 x 200, 600 x 400	600 x 200, 600 x 400	600 x 200, 600 x 400	600 x 200, 600 x 400	600 x 200, 600 x 400	1200 (600) x 600
Dimension (Inch)	Set (W x H x L)	37.7 x 21.9 x 118	36.1 x 20.8 x 4.8	38.9 x 22.9 x 4.7	44.2 x 25.9 x 4.9	41.4 x 23.8 x 4.8	41.4 x 23.8 x 4.8	29.4 x 27.3 x 5.1	52.5 x 30.3 x 5.1	66.3 x 40 x 5.8
	Packed (WxDxH)	41.1 x 10.1 x 26.4	41.1 x 10.1 x 26.4	44.1 x 10.1 x 28.5	46.6 x 10.1 x 29.4	46.6 x 10.1x 29.4	46.6 x 10.1 x 29.4	-	-	-
Weight (With out Glass)	Set (lbs.)	63.9	61.7	70.5	83.8	80.5	80.5	101.9	171.5	209.4 lbs.
	Packed (lbs.)	73.9	71.6	80.5	94.8	91.5	91.5	118.8	186.9	TBD
Approvals	EMI/EMC, Safety	FCC, CE, cTUVus, TUV, CB								
Temperature		0 °C - 40 °C								
Humidity		20% - 80%								
Accessories		Power cord, Manual, HDMI Cable, Remocon								

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STAND ALONE TYPE

Versatile Single Screen Information Signage

The HYUNDAI IT Stand-Alone Public Displays are the best solution for single screen information signage. Combining dynamic screen contents and the static depiction of your corporate identity the Stand-Alone Public Displays are bringing the maximum brand communication to your customers. Exhibitions, hotel and offices lobbies, customer waiting areas and retail shops are some examples for versatile fields of operation.
Like all HYUNDAI IT Public Displays products, the Stand-Alone Type is equipped with an Out-Of-Home LCD Panel which brings the advantages of 24/7 operation, with high contrast and brightness as well as the opportunity of using the panel in portrait or landscape format.

Flexible Content Management

Providing sufficient space in the cabinet and the availability of a variety of video connectors the HYUNDAI IT Stand-Alone Public Displays can be equipped with a PC or any other AV player. In combination with digital signage software and the opportunity to update the contents via LAN, WLAN or 3G the Stand-Alone Public Displays are the easiest and most cost effective way to deliver your messages to your target audience.

Full Protection

In order to protect the high-tech components and ensure a long life the housing is made of steel and can be locked. The panel is protected by a special tempered glass which supports a clear image of the screen contents.

Touch Screen Function (Option)

The Stand-Alone Public Displays are available as touch screen models. The infrared touch screen technology ensures ease of use, and makes them ready for your interactive applications.

Easy Individualization

ITEM			D460SL I D460SLI	D525SL I D525SLI
Panel	Screen Size		46"	52"
	Active Display Area (mm)		1018.35 x 572.54	1152 x 648
	Number of Pixels		1366 x 768 (WXGA)	1920 x 1080 (WUXGA)
	Aspect Ratio		16:9	16:9
	Display Colors		16.7 Mil.	16.7 Mil.
	Brightness		700 cd/m^2	600 cd/m^2
	Contrast Ratio		2000:1	1700:1
	Response Time (ms)		8	8
	View Angle (H/V)		178° / 178°	178° / 178°
	Life Time		50,000h	50,000h
Resolution (Max)		Monitor	1366 x 768	1920 x 1080
		DTV	1080i	1080p
Connectivity & Control	Input	Analog RGB	1	1
		HDMI	1	1
		Composite (BNC)	1	1
		Component (BNC)	1	1
		PC Audio	1	1
		Component Audio	1	1
		Composite Audio	1	1
		RS232C	1	1
	Out-put	Analog RGB	1	1
		HDMI	1	1
		Composite (BNC)	1	1
		Component (BNC)	1	1
		RS232C	1	1
		Speaker (Ready)	15W x 2ch	15W x 2ch
Auto Cooling System			Yes	Yes
Auto Power Control (DPMS)			Yes	Yes
Power	Input Voltage		100 - 240 VAC	100 - 240 VAC
	Consumption (typ)		260 W	320 W
Feature	Tempered Glass		Yes	Yes
	Touch Screen (Option)		IR Touch	IR Touch
OSD Language			10 Language (GB, DE, FR, ES, IT, PT, SE, DK, FI)	
Approvals	EMI/EMC, Safety		FCC, CE, cTUVus, TUV, CB	
Dimension (Inch)	Set (WxHxL)		27.0" x 82.8" x 5.0"	30.6" x 82.8" x 6.8"
	Stand Included (WxHxL)		27.4" x 86.6" x 21.3"	30.9" x 86.6" x 21.3"
Set Weight (lbs.)			242.5	264.6
Accessories			Power cord, Manual, VGA/Audio Cable, Remocon	Power cord, Manual, VGA/DVI to HDMI/ Audio Cable, Remocon

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STEREOSCOPIC 3D DISPLAYS

Experience Real 3D Visuals with Hyundai Widescreen 3D Display

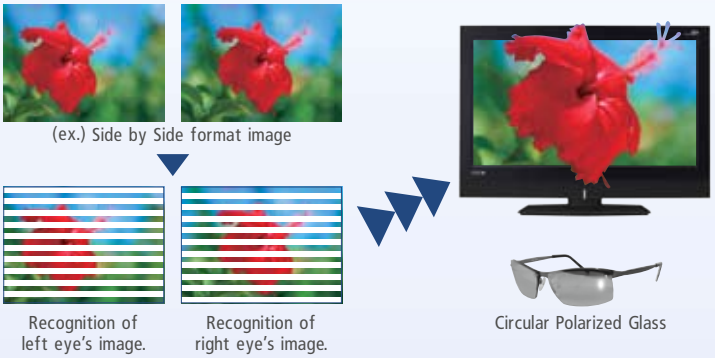
In addition to conventional 2D operations HYUNDAI IT's stereoscopic 3D displays make it possible to viewing 3D images with a breathtaking three-dimensional effect. For example, 3D models created with CAD software can be displayed more life like and thus allowing a presentation close to reality. Beside professional applications, Hyundai 3D displays are great for multimedia operation such as 3D games, movies or pictures.

Hyundai 3D Monitor
W220S/W240S

Hyundai 3D Monitor S320D/S465D

Enjoy Real 3D Image with Hyundai IT Stereoscopic 3D Displays

Based on the stereoscopic 3D technology, the viewer is watching the 3D contents through a polarized 3D display by wearing polarized 3D glasses. A stereoscopic image presents the left and right eyes of the viewer with different perspective viewpoints, just as the viewer sees the visual world. From these two slightly different views, the eye-brain synthesizes an image of the world with stereoscopic depth.



Key Features

- Moire, ghosting and flicker free
- High contrast ratio and fast response time
- HDMI with HDCP support
- Wide viewing angle
- Certified for Windows Vista

3D Visualizer/OpenGL driver(Option)

3D Visualizer enables selected third party applications to work on HYUNDAI IT's 3D displays. Using 3D displays and 3D Visualizer, 3D models appear to have a real physical depth, just like the actual objects they are modelling.

3D Software Package

HYUNDAI IT's 3D display include a software package of the leading 3D software supplier DDD.
This 3D software supports 3D drivers for more than 64 PC Game titles through the website.

- 3D Media Player
- 3D Experience
- 3D Google Earth
- 3D games driver

TriDef

For more information on DDD's TriDef software please visit http://www.tridef.com

Recommended System Requirements

- Intel® Core 2 Duo or Athlon™ 64 x 2 Dual-Core CPU, 1GB RAM
- NVIDIA® GeForce 6600 or ATI Radeon™ X800 with DVI output
- 100MB free disk space - Windows® XP, Vista 32-bit
- DirectX 9.0c compatible sound card

Specifications

Model Name		W220S	W240S	S320D	S465D
3D Technology	Filter	Circular polarized filter	Circular polarized filter	Circular polarized filter	Circular polarized filter
	Compatibility	2D/3D compatible	2D/3D compatible	2D/3D compatible	2D/3D compatible
	3d Format	Horizontal interlaced	Horizontal interlaced	Horizontal interlaced	Horizontal interlaced
	Viewing Angle (H/V)	160°/10°	160°/10°	178°/ 20°(typ. CR:10)	178°/20° (typ. CR:10)
	Supported 3d Resolution	1680 x 1050	1920 x 1200	1360 x 768	1920 x 1080
	Conversion	2D/3D image convertible	2D/3D Image convertible	2D/3D Image convertible	2D/3D Image convertible
	Viewing Distance (Recom.)	2.3 ft or 27.6 inch	2.3 ft or 27.6 inch	5 ft	5 ft
Panel	Type	A-Si TFT Active Matrix	A-Si TFT Active Matrix	A-Si TFT Active Matrix	A-Si TFT Active Matrix
	Size: Diagonale / Display Area (H/V)	22" / 473.7 x 296.1 mm	24" / 518.4 x 324 mm	32" / 697.6845 x 392.256 mm	46" / 1018.4 x 572.5 mm
	Aspect Ratio	16:10	16:10	16:9	16:9
	Pixel Pitch (H/V)	0.282 x 0.282 mm	0.270 x 0.270 mm	0.510 x 0.510 mm	0.530 x 0.530 mm
	Viewing Angle (H/V)	160O / 160O (CR:<=10)	178O / 178O (CR:<=10)	178° / 178° (CR:<=10)	178° / 178° (CR:<=10)
	Contrast Ratio	1,000:1 / 10,000:1 (DCR)	1,000:1 / 10,000:1 (DCR)	3,000:1 / 6,000:1(DCR)	3,000:1 / 6,000:1 (DCR)
	Response Time	5 ms (typical)	6 ms (typical)	8 ms (G to G)	6 ms (typical)
	Brightness	300 cd/m² (typical)	500 cd/m² (typical)	500 cd/m² (typical)	500 cd/m² (typical)
	Colors	16.7 M	16.7 M	16.7 Mi	16.7 M
Resolution	Maximum / Recommended	1680 x 1050 @ 60Hz	1920 x 1200 @ 60Hz	1360 x 768 @60Hz	1920 x 1080 @ 60Hz
	Video	480p, 576p, 720p, 1080i/p	480p, 576p, 720p, 1080i/p	480i/p, 576i/p, 720p, 1080i	480i/p, 576i/p, 720p, 1080i/p
Input Signal	Analog RGB / DVI-D	1/1	1/1	1/-	1/-
	HDMI-HDCP / Component	1/-	1/1	1/1	1/1
	S-Video/Composite	-/-	-/-	1/1	1/1
	PC Audio	Yes	Yes	Yes	Yes
Plug-and-Play		VESA DDC 2B	VESA DDC 2B	VESA DDC 2B	VESA DDC 2B
Power Management		VESA DPMS	VESA DPMS	VESA DPMS	VESA DPMS
Power	Voltage / Consumption / Type	100-240V AC 2.0A / 45W(typ) / Internal Power Supply	100-240V AC 2.0A / 85W(typ) / Internal Power Supply	100-240V AC 5.0A / 150W(typ) / Internal Power Supply	100-240V AC 5.0A / 230W(typ) / Internal Power Supply
Safety & Regulations		cTUVus, CB, EK, PSE, FCC, CE, VCCI, Energy Star		cTUVus, CB, FCC, CE	cTUVus, CB, FCC, CE
Other Features	Audio System	Internal loudspeaker 2 x 3 Watt, PC Audio in/out		Max. 10W x 2ch	Max. 10W x 2ch
	Kensington Slot / Wallmount Holes	Yes | Yes (VESA: 100 x 100 mm)	Yes | Yes (VESA: 100 x 100 mm)	Yes | Yes (200 x 100 mm)	Yes | Yes (580 x 420 mm)
Stand	Type	Tiltable, Height adjustable (option)	Tiltable, Height adjustable (option)	Tiltable	Tiltable
Dimensions	Unit / Packed (W X H X D)	20.5" x 16.2" x 8.3" / 24.2" x 18.9" x 7.7"	22.8" x 17.9" x 9.4" / 26.7" x 21.4" x 8.1"	31.7" x 24.3" x 9.1" / 35.5" x 28.2" x 11.9"	45" x 33.2" x 13.7" / 50" x 38.3" x 17.8"
Weight	Unit / Packed	15.43 lbs. / 20.50 lbs.	21.82 lbs. / 30.42 lbs.	37.47 lbs. / 46.07 lbs.	66.13 lbs. / 85.31 lbs.
Scope of Accessories		Power cable, DVI Cable, D-Sub Cable, Audio Cable, Quick Installation guide, 3D glasses, HDMI-DVI Cable (S320D, S465D only), CD-ROM : User manual, Driver, ICM profil, 3D software package			

Technical details are subject of changes without further notice. Errors expected.

HYUNDAI
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Premium LCD Monitor / Touch Screen Displays

PREMIUM LCD MONITOR

Hight Definition Multimedia Interfact

Higher resolution-Over 400% greater resolution than 720p HDTV for greater detail and lager display size. Higher refresh rates(up to 120Hz) for smoother motion, less blurring and better gaming (faster response time) Deep Color-increasing the deep color from millions to billions of color for smoother images and higher contrast ratio.

2ms Response time

Response time (milliseconds) is the time that it the pixels to turn from grey to grey or black to black.

The lower the response time, the faster the speed and the less blurring when you are watching fast moving video files or games.

More ergonomically designed stand

You are able to adjust the height, pivot, tilt and swivel of the monitor to make sure for your most comfortable position.

Dynamic Contrast Ratio

Measure of a display system, defined as the ratio of the luminance of the brightest color (white) to that of the darkest color (black) that the system is capable of producing.

Easy functions

Built in Speaker & Automatic adjustment function.

Get in Touch with a New Interface

The HYUNDAI IT LCD touch screen monitors combine the newest touch screen technology and timeless design with an optimal price-performance ratio. They can be used for applications in areas like POS, medical or monitoring & control.

Key Features

- reliable functionality thanks to 5-wire resistive touch screen technology
- robust design by hard surface (3H) and well ruggd dual hinge stand
- sharp and brilliant pictures by high contrast and brightness

TOUCH SCREEN DISPLAYS

Model Name		G70TR	G90TR
Touch Screen Technology	Type	5-Wire Resistive / Capacitive	5-Wire Resistive / Capacitive
	Controller Interface	USB 1.1	USB 1.1
	Light Transmission	>81% (550nm wavelength, According to JIS-K7105)	>81% (550nm wavelength, According to JIS-K7105)
	Response Time (Touch)	35 ms (max.)	35 ms (max.)
	Input Mode	Bare Or Gloved Finger, Stylus Pen, Finger	Bare Or Gloved Finger, Stylus Pen, Finger
Panel	Type	A-Si TFT Active Matrix	A-Si TFT Active Matrix
	Size	17inch Diagonal	19inch Diagonal
	Viewing Angle	160° / 160° (horizontal / vertical)	160° / 160° (horizontal / vertical)
	Pixel Pitch	0,264 mm (W x H)	0,294 mm (W x H)
	Contrast Ratio	1,000:1 (typical)	1,000:1 (typical)
	Luminance	300 cd/m² (typical)	300 cd/m² (typical)
	Response Time	5ms	5ms
	Colors	16.7 M	16.7 M
Active Display Size(H x V)		337.9(H) x 270.3(V) mm	376.3(H) x 301.1(V) mm
Resolution	Maximal	1280 x 1024 @ 75 Hz	1280 x 1024 @ 75 Hz
	Recommended	1280 x 1024 @ 60 Hz	1280 x 1024 @ 60 Hz
Input Signal	Analog	15-pin D-Sub	15-pin D-Sub
	Digital	24-pin DVI-D	24-pin DVI-D
Scanning Frequency	Horizontal	31k ~ 80 kHz	31k ~ 80 kHz
	Vertical	56 ~ 76 Hz	56 ~ 76 Hz
Plug-and-Play		VESA DDC 1/2B (EDID 1.3)	VESA DDC 1/2B (EDID 1.3)
Power Management		VESA DPMS	VESA DPMS
Power	Source	100 ~ 240VAC 1.5Arms	100 ~ 240VAC 1.5Arms
	Consumption (Typ.)	32W	36W
	Type	Adaptor	Adaptor
Safety & Regulations	Standard	NRTL, CB, TUV-GS, FCC, CE	NRTL, CB, TUV-GS, FCC, CE
	RoHS , WEEE	RoHS, WEEE	RoHS, WEEE
Other Features	Audio System	2 W X 2ch/Earphone Jack	2 W X 2ch/Earphone Jack
	Kensington Slot	Yes	Yes
	Wallmounting Holes	VESA: 75 x 75mm	VESA: 100 x 100mm
	Stand	Dual Hinge Stand	Sustaining Stand
Dimensions	Unit | Packed (W X H X D)	15.0" x 15.9" x 7.9" | 17.1" x 14.9" x 5.5"	16.7" x 13.6" x 2.0" | 18.6" x 16.0" x 6.2"
Weight	Unit | Packed	10.91 lbs. | 14.11 lbs.	11.02 lbs | 15.21 lbs

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The HYUNDAI IT Story

HYUNDAI Electronics first set up a monitor division at its electronics corporation in 1984. After launching the first monochrome monitor, HYUNDAI continuously developed its product range, rapidly expanding in expanding production to over 1 million units per year. HYUNDAI has been a leading manufacturer of TFT displays in a variety of sizes starting in the mid-1990s. In 2000, the monitor division became a seperate company from the parent corporation to become what is today Hyundai IT Corp. and associated with 3 sales offices in Europe(HYUNDAI IT Europe GmbH), USA(HYUNDAI IT Amrica Corp.) and Japan(HYUNDAI IT Japan.)

Full Product Portfolio

Being an expert in digital display solutions, HYUNDAI IT is offering a full range of products for both consumer as well as professional customers:

LCD Monitor

Monitor + TV

3D Monitor

Touch Screen Monitor

LCD TV

3D LCD TV

Indoor Public Displays

Stand-Alone Type

Outdoor Public Displays

Display Solutions by Expertise

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